

7190

# SF FILE NUMBER



335370

## Richardson Flats Tailings - Removal Sampling Strategy

FILE PLAN

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1. Provide literature search of previous sampling efforts to determine validity of historical data gathered. As appropriate, provide brief summary of findings.
2. Provide sample plan to address the following:
  - A. An update of previous inorganic sample efforts of air, water (surface), and soil/tailings/sediments from the site; paying special attention to Silver Creek Flood Plain.
  - B. Projected inorganic/organic sample efforts of air, water, and soil/tailings/sediments pertaining to three (3) sanitary landfills located within the site boundary.
  - C. Off-site sampling of surface water (upstream/downstream) and air (upwind/downwind prevailing direction).
  - D. Further groundwater inorganic sampling from existing monitoring wells and from projected monitoring wells down gradient from each of the three (3) landfills on site.
  - E. Collection of fish (trout) from Silver creek for edible tissue analysis regarding uptake of organic/inorganic contaminants.
3. Conduct stability analysis of tailings dam on site while identifying weeps/springs affecting structural integrity. Soil borings and subsequent soils/materials analysis may be required. Include erosion/drainage analysis for site.
4. Analyze and photo document human traffic patterns across the site for purposes of accessing site security.
5. Collect samples per sample plan.

## Project Schedule

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|--|--------------|
| 1. Draft Sample Plan   | - 5/4/92     |
| 2. Final Sample Plan   | - 5/22/92    |
| 3. Collect samples relative to existing data, including surface water samples from Silver Creek at high flow | - 6/8-12/92  |
| 4. Collect Landfill Samples  | - 6/22-26/92 |
| 5. Collect data for tailings dam stab. & erosion/drainage analysis   | - 6/22-26/92 |
| 6. Evaluate sample results   | - 8/31/92    |
| 7. Provide sampling activities report  | - 8/31/92    |
| 8. Provide site characterization report, including info regarding access controls                            | - 8/31/92    |

#### Attachments

1. Preliminary Health Assessment for Richardson Flat Tailings, ATSDR, July 24, 1990.
2. Supplemental Site Inspection Report, RFT, FIT-Rep., TDD RO8-8903-06-PAN FUT 0039HDA.
3. Aerial Photographic Analysis of Richardson Flat Tailings (TS-PIC-91706), March 1991.
4. Aerial Photographic Analysis of Industrial and Waste Disposal Facilities (TS-AMD-84112), Dec. 1984.

Note - Attachments must be returned to EPA OSC after preparation of Final Sample Plan. Additional copies are being ordered and will be provided upon receipt.

FCD:April 16, 1992:cmz:cmz:Sample.TDD